I. 3
6-21-00

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
POLLUTION REPORT

I. HEADING

DATE:	June 21, 2000
SUBJECT:	Conservation Chemical Site PRP Removal Action, Gary, Lake County, IN
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POLREP: POLREP #23A

II. BACKGROUND

Site No: Y1
Response Authority: CERCLA (PRP Removal Action)
State Notification:
Status: Consent Order signed on 2/4/1999

CERCLIS No: IND040888992
NPL Status: Non-NPL
Start Date: 7/5/1999

III. INCIDENT INFORMATION

See Pollution Report #1 for the U.S. EPA removal action.

IV. RESPONSES INFORMATION

A. Situation

1. U.S. Removal

The U.S. EPA removal of PCB-contaminated soil was completed in June of 1999. This phase of the CCCI removal was funded by proceeds of the 1996 de minimus settlement and the removal was authorized by the April 1998 Action Memorandum. Upon demolition of Tank #22 by the PRP Group in August of 1999, the PRP group discovered a heavy tar like sludge which had been released from the bottom of the steel tank. The material has been sampled for PCBs and found to contain low levels (less than 15 ppm). The tar and surrounding soil was removed by the U.S. EPA contractor. See POLREPs 1-7 for more information.

Weather conditions were mild with temperatures ranging from 50s°F to 80s°F. Numerous episodes of heavy rain assisted revegitation efforts but did not interfere a great deal with other site work.

2. PRP Removal activities Junel through June 20, 2000.

- On 6/5/00, KPR collected a composite soil sample from Cell 16 on the theory that curing time alone may have lowered the TCLP and hexavalent chromium contents; START obtained a split sample and had it analyzed by a separate laboratory for the same parameters plus total chromium. KPR also performed bench tests mixing various ratios of ferrous sulfate with chromium contaminated soil to test stabilization properties and sent the samples to a laboratory for analysis. U.S. EPA overpacked 41 old quart-sized sample bottles in a 30-gallon poly drum and shipped them to Pollution Control Industries in East Chicago, Indiana for fuels blending.
- On 6/7/00, KPR began mixing fly ash with soil in Cell 14 to reduce pH and further stabilize chromium content. U.S. EPA and contractors began installing piezometers on CCCI and Gary Airport property as part of a groundwater investigating for the Industrial Highway project.
- On 6/8/00, KPR collected a composite sample of fly ash-stabilized soil from Cell 14 and sent it to a laboratory for TCLP and Hexavalent chrome analysis; START obtained a split sample and sent it to a different laboratory for independent analysis of chrome content.
- On 6/14/00, both KPR and EPA/START received analytical results which confirmed that the sample from

Cell 16 had been treated effectively by the fly ash, so KPR proceeded with treating the other cells with fly ash, on-going as of 6/20/00.

- On 6/15/00, KPR hosted an on-site meeting with representatives of the PRP group to report progress and discuss remaining issues; EPA and START attended.
- By 6/16/00, analytical results from Cell 14 received by KPR and START showed that soil in this cell had also been treated effectively with fly ash.

B. Planned Removal Action

- Complete re-treatment of soil in cells 13, 14, 15, and 17 with fly ash and resample.
- Complete relocation and capping of stabilized material from pie-shape lagoon.
- Complete backfilling of the area between the E, J & E railroad and the pie-shape lagoon with crushed stone.
- Apply topsoil and grass seed to remaining areas
- Relocate site fence to the property line.
- Complete preliminary design of the culvert pipe and provide for engineered controls to keep the floating product from exiting the outfall of the ditch.

C. Key Issues

- Further discussions are necessary to keep oil from seeping into or along the culvert pipe. U.S. EPA, KPR and Gary Airport will discuss engineering controls to install along with the culvert pipe to keep the oil from following the ditch to the outfall. Once the preliminary design is completed, than KPR will install the culvert on the airport property.

Table 1
U.S.EPA/PRP REMOVAL ACTION
Conservation Chemical Site
Disposal Information

Waste Streams	Date	Medium	Quantity	Manifest #	Treatment	Disposal Facility
Non-hazardous Debris	7/7/99 - 7/14/99	Debris	88 .7 tons	Load # 1 - 16	Disposal	Newton County Landfill 2266 500S Brook, IN 47922
Non-hazardous Debris	7/20/99 -7/22/99	Debris	20.1 tons	Loads # 17 - 25	Disposal	CID 135th and I-94 Chicago, IL
Steel Debris	7/22/99- 7/23/99	Steel	314.26 tons		Recycle	Bethlehem Steel Gary, IN
Steel Debris	8/5/99	Rubber lined	34 tons	load 26 & 27	Disposal	Newton County Landfill 2266 500S Brook, IN 47922
Hazardous Liquid, Acid Waste	8/9/99 - 8/15/99	Liquid acid	50,800 gallons	Manifest #00001 - 5 & 7-9,12, &18	Disposal	Clean Harbor Chicago, IL
Lab-Pack	8/11/99	Various liquids and solids	22 30-gallon pails	Manifest #00006	Disposal	Clean Harbors Chicago ,IL
Hazardous Liquid, Alkaline Waste	8/16/99 8/20/99	Liquid alkaline	9,400 gallons	Manifest #11, 13-17, 19	Disposal	Clean Harbor Chicago, IL
Non-Hazardous Liquid	8/16/99	Non-haz. Liquid	1,255 gallons	Manifest #10	Disposal	Clean Harbor Chicago, IL
Non-Hazardous Solid	8/25/99 8/27/99	Rubber lined steel	55.21 tons		Disposal	Newton County Landfill Brook, IN 47922
Hazardous Sludge (T-28)	8/25/99	Alkaline Sludge	30 55-gallon drums		Disposal	Clean Harbor Chicago, IL
Hazardous Liquid	8/30/99	Acid Liquid	1450 gallons		Disposal	Clean Harbor Chicago, IL
Hazardous Liquid	9/1/99	Corrosive liquid	44 55-gallon drums (acid)	Manifest 23	Disposal	Clean Harbor Chicago, IL
Non-Hazardous liquid	9/1/99	Oil material	21 55-gallon drums	manifest 26	Disposal	Clean Harbor Cincinnati, OH
Hazardous Liquid	9/1/99	Corrosive liquid	eight 55-gallon drums	Manifest 24	Disposal	Clean Harbor Chicago, IL
Hazardous Material	9/1/99	Chromium Pb	3 55-gallon drums & 3 cu.yd. Boxes	Manifest 25	Disposal	Clean Harbor Chicago, IL

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Waste Streams	Date	Medium	Quantity	Manifest #	Treatment	Disposal Facility
Non-hazardous	9/7/99	rubber lined steel	22.59 tones		Disposal	Newton County Landfill

Non-hazardous	9/7/99	Debris	60 cu. yds		Disposal	CID Landfill
Hazardous solid	9/14/99	TCE solid	16 tons	Manifest 27	Disposal	EQ Belleville, MI
Non-hazardous	9/16/99	Debris	60 cu. yds		Disposal	CID Landfill
Special Waste	9/14/99	Asbestos	275 bags	Manifest 28	Disposal	Newton County Landfill
Hazardous Liquid (Chromium & TCE)	10/6/99	Liquid	3,500 gallons	Manifest #29	Disposal	Clean Harbors
Hazardous Solids w/ organic	10/21/- 11/9/99	Debris	52 cubic yards	Manifest # 30-34	Disposal	CID 135th and I-94 Chicago, IL
Corrosive Liquids (Acids & Basics)	11/9/99	liquid	120gallons	Manifest 35	Disposal	Clean Harbors
Hazardous waste solids (TCE)	1/7- 11/00	treated material	231 tons	Manifest #36 -44	Disposal	EQ Belleville, MI
Hazardous Liquid, (Lab-pack)	2/22/00	assortment	12 lbs	Manifest #-45	Disposal	Clean Harbor Chicago, IL
Hazardous Solids	2/24/- 3/10/00	material w/ TCE& Pb	475 tons	Manifest 50-61 & 63-70	Disposal	EQ Belleville, MI
Hazardous Liquid	3/06/00	liquid from basin	600 gallons	Manifest 62	Disposal	Clean Harbors Chicago, IL
Non Hazardous	5/2/00	excavated drums	45 tons	Manifest 71-73	Disposal	CID Chicago, IL
Hazardous	5/23/00	excavated drums/debris	45 tons		Landfill	EQ, Belleville, MI
Flammable Liquids	6/5/00	old sample bottles	41 1-qt. bottles in a 30-gal drum	INA1460575	Fuels Blending	Pollution Control Industries, East Chicago, IL

CONSERVATION CHEMICAL KPR/START Split Sampling of Treated Soil					
Parameter	**Sampled By**	**Sample Number**			
		14-4	14-4 DUP	16-4	16-4 DUP
Hexavalent Chromium (mg/kg)	KPR	118	123	< 14	23.3
	START	110	NA	96	98
TCLP Chromium (mg/l)	KPR	4.76	4.76	3.99	3.92
	START	4.8	NA	4.0	3.5
Total Chromium (mg/kg)	START only	5,400	NA	4,200	4,600
Date Sampled		6/8/00		6/5/00	
Date Verbal Data Complete		6/16/00		6/14	

Notes: Limits are hexavalent Cr = 200 mg/kg; TCLP Cr = 5.0 mg/l.
NA = Not Analyzed.